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> JP2000334474A2: METHOD FOR REMOVING PHOSPHORUS FROM Title:

> > WATER

A phosphorous removal method for purifying waste water, involves Derwent Title:

precipitating and isolating phosphate and ammonia contained in water as

an insoluble magnesium-phosphate-ammonium complex [Derwent Record]

JP Japan Country:

A2 Document Laid open to Public inspection i 

SHIBATA MASAHIDE; §Inventor:

ISHIZUKA SATOSHI; **FUKASE TETSURO**; **MISHINA FUMIO:** 

**KURITA WATER IND LTD** Assignee:

JAPAN SEWAGE WORKS AGENCY

News, Profiles, Stocks and More about this company

2000-12-05 / 1999-05-26 Published / Filed:

> JP1999000146818 Application

Number:

Advanced: C02F 1/58; PIPC Code:

Core: more...

IPC-7: C02F 1/58;

1999-05-26 JP1999000146818 Priority Number:

> PROBLEM TO BE SOLVED: To recover MAP and to obtain Abstract:

treated water having high water quality by efficiently removing phosphorus from a waste liquid such as a separated dehydrated liquid from a sludge wherein phosphate ions, ammoniacal nitrogen and calcium ions coexist by utilizing the MAP method (magnesium ammonium phosphate) and the HA(hydroxyapatite) crystallizing

method.

SOLUTION: Waste water containing phosphate ions,

ammoniacal nitrogen and calcium ions is passed upwardly through a reaction tower 1 and MAP is formed as an insoluble substance from the phosphorus ions in this waste water and separated in the presence of a magnesium compound. A mixed fluidized bed of MAP

and HA particles are formed in this reaction tower 1.

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Family: None

CHEMABS 134(02)021039V CHEMABS 134(02)021039V DERABS Other Abstract

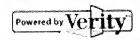
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